



Attorney Docket No.: 04838-062001

2663
A/11
10/23/02
J. Kwok

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lawrence W. Yonge III

Art Unit : 2663

Serial No. : 09/632,609

Examiner : J. Kwok

Filed : August 4, 2000

Title : METHOD AND PROTOCOL TO SUPPORT CONTENTION-FREE
INTERVALS AND QOS IN A CSMA NETWORK

Commissioner for Patents
Washington, D.C. 20231

RECEIVED

OCT 21 2002

Technology Center 2600

RESPONSE

In response to the action mailed July 3, 2002, please amend the application as follows:

In the specification:

Please replace the paragraph beginning at page 10, line 3 with the following rewritten paragraph:

-- During a data transmit process, data and control information are received at the PHY-to-MAC interface (MAC interface) 74 over the PHY-to-MAC bus 24. The MAC interface provides the data to the scrambler 32, which ensures that the data as presented to the input of the data FEC encoder 34 are substantially random in pattern. The data FEC encoder 34 encodes the scrambled data pattern in a forward error correction code and subsequently interleaves the encoded data. Any forward error correction code, for example, a Reed-Solomon, or both a Reed-Solomon code and a convolution code, can be used for this purpose. The modulator 36 reads the FEC encoded data and FEC encoded control information from the frame control FEC encoder 38, and modulates the encoded data and control information onto carriers in OFDM symbols in accordance with conventional OFDM modulation techniques. Those modulation techniques may be coherent or differential. The modulation mode or type may be Binary Phase Shift Keying with 1/2 rate coding ("1/2 BPSK"), Quadrature Phase Shift Keying with 1/2 rate coding ("1/2

10/17/2002 GWORDOF1 00000040 09632609

01 FC:1202

396.00 OP

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

October 2, 2002

Signature

Maureen Christiano

MAUREEN CHRISTIANO

Typed or Printed Name of Person Signing Certificate